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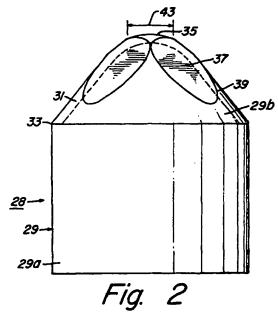
Field of Search

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(54) Abstract Title Diamond capped cutting element with flats

(57) The cutting element (28) for an earth-boring drill bit comprises a tungsten carbide cylindrical base (29a) and a cutting end (29b). A diamond cap (31) is bonded to the cutting end (29b) and has a plurality of flats (37) formed in its conical sidewall about an apex (35). The flats (37) are identical to each other and have oval perimeters (39). Portions of the perimeters (39) are contiguous with adjacent flats to create sharp cutting edges.



At least one drawing originally filed was informal and the print reproduced here is taken from a later filed formal copy.